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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/723,295	11/26/2003	Sabino Iacocca	10823.0030.NPUS00	5555
23369	7590	04/22/2005		
HOWREY SIMON ARNOLD & WHITE LLP c/o IP DOCKETING DEPARTMENT 2941 FAIRVIEW PARK DRIVE, SUITE 200 FALLS CHURCH, VA 22042-7195			EXAMINER ORDERS, CHRISTOPHER H	
			ART UNIT 3746	PAPER NUMBER

DATE MAILED: 04/22/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	Application No.	Applicant(s)
	10/723,295	SABINO IACOCCA
	Examiner Christopher H. Orders	Art Unit 3746

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

**A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.**

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) Responsive to communication(s) filed on 05 March 2004.
- 2a) This action is **FINAL**.      2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) Claim(s) 1-12 is/are pending in the application.
  - 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) Claim(s) \_\_\_\_\_ is/are allowed.
- 6) Claim(s) \_\_\_\_\_ is/are rejected.
- 7) Claim(s) 1-12 is/are objected to.
- 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on 26 November 2003 is/are: a) accepted or b) objected to by the Examiner.  
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
    - a) All    b) Some \* c) None of:
      1. Certified copies of the priority documents have been received.
      2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
      3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
 Paper No(s)/Mail Date January 12, 2004.
- 4) Interview Summary (PTO-413)  
 Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) Notice of Informal Patent Application (PTO-152)
- 6) Other: \_\_\_\_\_.

## DETAILED ACTION

### ***Allowable Subject Matter***

1. Claims 1-12 are allowed.
2. As allowable subject matter has been indicated, applicant's reply must either comply with all formal requirements or specifically traverse each requirement not complied with. See 37 CFR 1.111(b) and MPEP § 707.07(a).
3. The following is a statement of reasons for the indication of allowable subject matter: The prior art neither suggests nor renders obvious a damping formation which is attached to the opposite surfaces of a drive body appendage with a portion connecting the two surfaces that extends at least partially through the drive body.

### ***Conclusion***

4. This application is in condition for allowance except for the following formal matters:
  - The recitation of "chamber s" (pg. 4, ln. 22) is presumed to be --chamber 8-- to properly reference the drawings.
  - The recitation of "upper separating element 25" (pg. 4, ln. 26) is presumed to be --upper separating element 15-- to properly reference the drawings.
  - The recitation of "Figures S to 9" (pg. 5, ln. 17) is presumed to be --Figures 5a to 9-- to properly reference the drawings.
  - The recitation of "the cavity of the hub 17" (pg. 6, ln. 13) is presumed to be --the cavity 19 of the hub 17-- to properly reference the drawings.

- The recitation of "extension S" (pg. 6, ln. 15) is presumed to be --extension δ-- to properly reference the drawings.
- The recitation of "moulded" (throughout the specification) is presumed to be --molded-- for proper clarity.
- The recitation of "moulded" (claim 1, ln. 24, ln. 25) is presumed to be --molded-- for proper clarity.
- The recitation of "25° to 55° and preferably of approximately 40°" (claim 7, ln. 2) is presumed to be --25° to 55°-- to remove the narrow limitation which would make the claim indefinite.
- The recitation of "25° to 55° and preferably of approximately 40°" (claim 8, ln. 2-3) is presumed to be --25° to 55°-- to remove the narrow limitation which would make the claim indefinite.
- The recitation of "30° to 60°, and is preferably approximately 45°" (claim 10, ln. 2-3) is presumed to be --30° to 60°-- to remove the narrow limitation which would make the claim indefinite.
- The recitation of "synthetic resin, preferably polypropylene" (claim 11, ln. 2) and "20% to 40%, and preferably of 30%" (claim 11, ln. 3) are presumed to be --synthetic resin-- and --20% to 40%--, respectively, to remove the narrow limitations which would make the claim indefinite.

Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Brooks et al. (6,524,078) teach a centrifugal pump with a coupling formation between the rotor and impeller, but do not teach the use of a damping formation. Bourdelain et al. (EP 0 514 272 A1) teach a drive connection with a damping formation, but do not teach that the damping formation extends at least partially through the drive body. Kim et al. (6,478,555) teach a compressor with a drive connection with a damping formation, but do not teach that the damping formation extends at least partially through the drive body. Marioni et al. (US 2002/0122731) teach a centrifugal pump with a coupling formation between the rotor and impeller, but do not teach the use of a damping formation.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Christopher H. Orders whose telephone number is (571) 272-7163. The examiner can normally be reached on Monday-Friday, 7:30am-4pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Cheryl J. Tyler can be reached on (571) 272-4834. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Art Unit: 3746

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

CHO

  
CHERYL TYLER  
SUPERVISORY PATENT EXAMINER